SAP HANA Analytics Reporting Platform

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Tim Leininger, SAP Analytics Architect, Eli Lilly and Company
Session ID 82544

About the Speakers

Brian Laughlin

- Manager IT – SAP Operations

- Eli Lilly and Company

Tim Leininger

- SAP Analytics Architect

- Eli Lilly and Company

Key Outcomes/Objectives

1. Technical overview of BW4 & HANA reporting

2. BW4 & HANA – the good and not so good

3. Demonstrate business value

Agenda

- Lilly SAP and SAP Reporting Background
- Strategy Alignment
  - S/4 Strategy and SAP Analytics
- SAP Analytics
  - Key Pillars to Success
  - Design Overview
  - Technical Wins & Challenges
- Business Goals achieved via SHARP

Lilly Global Fast Facts

A heritage more than **140 years strong,** founded on May 10, 1876

Headquarters located in **Indianapolis, Indiana**, U.S.A.

Approximately **38,000 employees** worldwide

More than **8,000 employees** engaged in research and development

Clinical research conducted in more than **55 countries**

Research and development facilities located in **8 countries**

Manufacturing plants located in **8 countries**

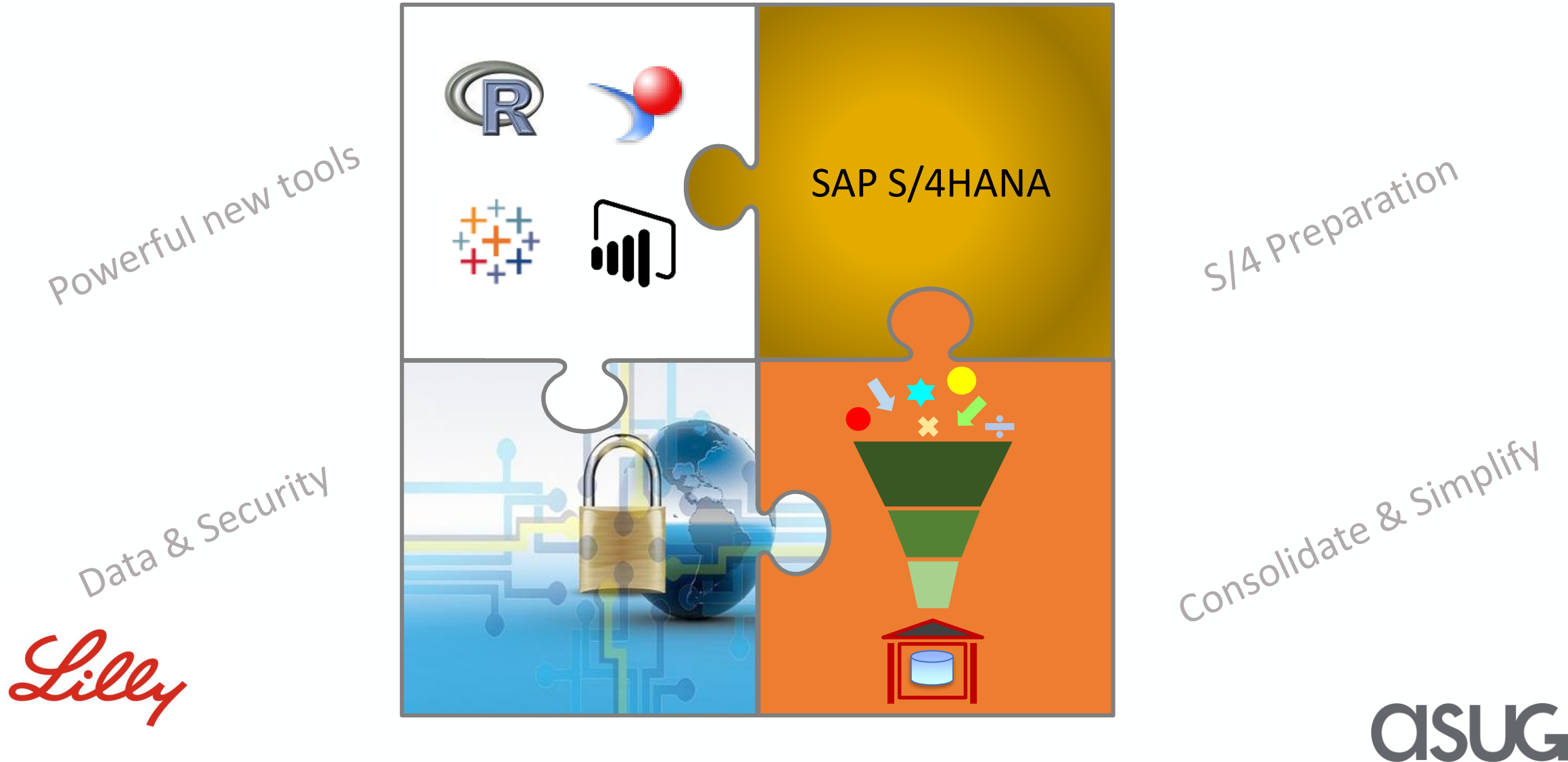Products marketed in **120 countries**

Lilly SAP and SAP Reporting Background

Building a single global instance of SAP at Lilly (a *very* brief timeline)

99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19

1st 2 Affiliates

Affiliate by Affiliate Deployments

M&A Activity

Rollout to remaining 53 countries

Large M&A Activity

Prep for S4

SAP 4.5c

SAP ECC 6

And our associated reporting and analytics environments

SAP BW

so we built 30,000 – 50,000 BEx Queries

BO Rapidmarts

so we built ~67,000 BO reports

BW4/Native HANA

Strategy Alignment

SAP S/4HANA

Powerful new tools

S/4 Preparation

Data & Security

Consolidate & Simplify

SHARP Key Pillars for Success

Right People
User Experience with Security Principles

Right Information
Simplification and Redundancy Reduction
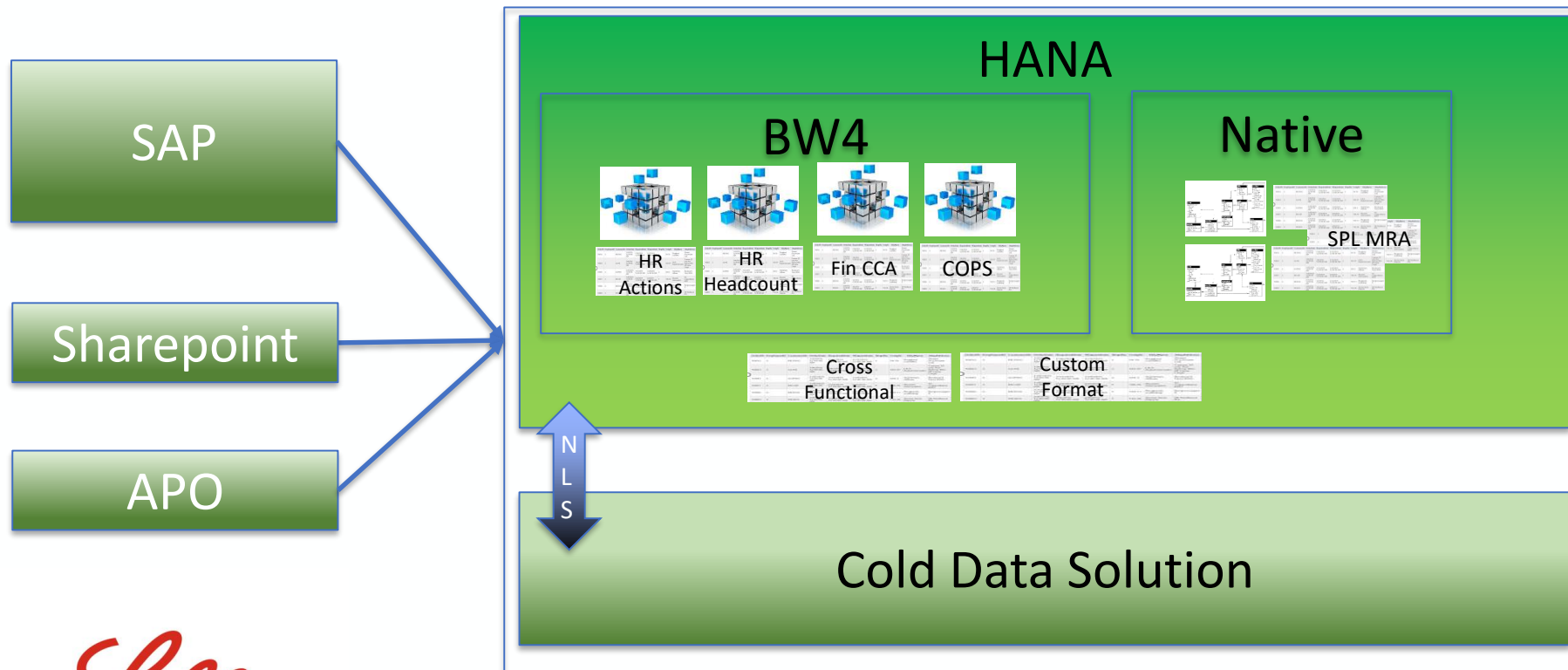
Right Delivery
Innovation and Speed to Value

SHARP Design

Data Sources / Systems

SHARP

Frontend Tools

SAP

Sharepoint

APO

HANA

BW4

HR Actions

HR Headcount

Fin CCA

COPS

Native

SPL MRA

Cross Functional

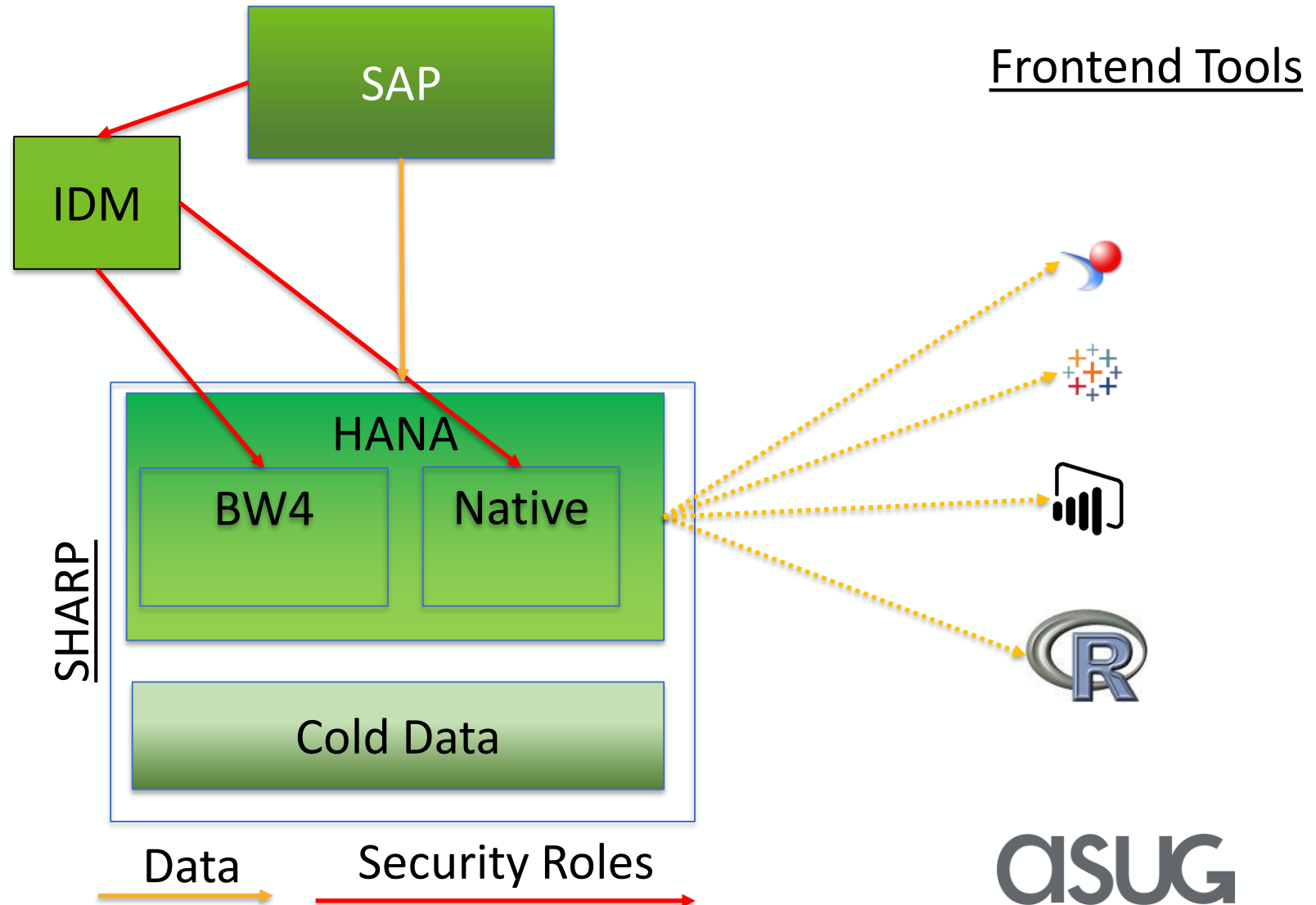Custom Format

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Cold Data Solution

Right Information to Right People

Right Information
- Stored in one location
  - HANA – faster performance
  - Cold Data – lower cost

Right People
- Mapped roles based on SAP security & sensitivity of data

SAP

IDM

Frontend Tools

SHARP

HANA

BW4   Native

Cold Data

Data   Security Roles

Technical Challenges

- SAP cold data – connecting to Hadoop

- SAP BW/4HANA – many SAP notes

- Data integration options – when to use what?

- Third party tool connectivity

Technical Wins

- Simplicity in data models

- System performance improvements

- Direct connectivity / Reduce data duplicity

- Leverage Lilly SAP security model

Business Goals Powered by SHARP

"Reduction in report run times by 10-15 minutes in U.S. & 4-6 hours outside U.S."

Improved Efficiency & Reporting Time

"Significant run time reduction in reports. Reports running 1-2 minutes in old now 15-30 seconds in new"

Business Goals Powered by SHARP

Consolidated multiple reports into single global report. Reduced updating and redesign

Improved Efficiency & Reporting Time

Global reporting

Business Goals Powered by SHARP

- Manufacturing & Quality forecasts $31M in savings over next 3 years
- US Financial Reporting saving $65k/year
- Elimination of reporting platforms

Improved Efficiency & Reporting Time

Global reporting

Cost Reduction

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Presentation Materials

Access the slides from 2019 ASUG Annual Conference here:
http://info.asug.com/2019-ac-slides

Q&A

For questions after this session, contact either of us at laughlin@lilly.com or leininger_timothy_j@lilly.com.

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